

Math Lesson

Lesson Title: Fractions

Grade: 4th/going into 5th

Content Standard:

4.NF.2--Compare two fractions with different numerators and different denominators, e.g., by creating common denominators or numerators, or by comparing to a benchmark fraction such as $\frac{1}{2}$. Recognize that comparisons are valid only when the two fractions refer to the same whole. Record the results of comparisons with symbols $>$, $=$, or $<$, and justify the conclusions, e.g., by using a visual fraction model.

Materials: fraction task cards (attached), fraction strips handout (attached)

See Resources below.

Shared Experience and procedure details:

Objective: Students will play war using fraction task cards to see which fraction is higher.

Set up: Each group needs one set of fraction task cards and a fraction strip handout.

Step 1: First student picks a card and partner picks another card. They compare the fraction cards and see which one is more. They may use the fraction strip handout to check their answers.

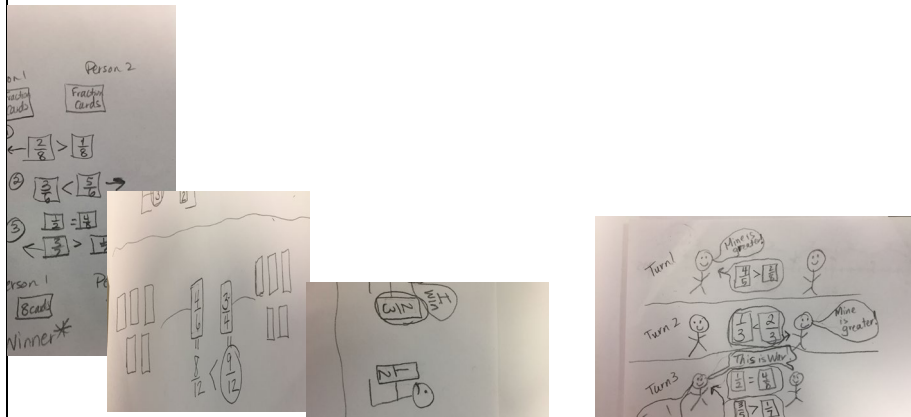
Step 2: repeat the process until there are no cards left.

Step 3: If there is a tie (equivalent fraction) each student needs to lay another card down and whoever wins that one wins all 4 cards.

*This can be adapted to 3rd grade by removing unwanted cards prior to playing. You could also add other cards to adapt for 5th grade.

*We added $\frac{2}{4}$, $\frac{3}{6}$, $\frac{4}{8}$, $\frac{5}{10}$, and $\frac{2}{8}$ to the blank cards on the task sheets.

Possible Picture:

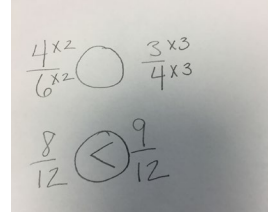


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Possible People Talk: we played a card game, we had to see who had the biggest fraction, the person with the biggest fraction won, we had to compare our fractions, $\frac{1}{2}$ is the same as $\frac{2}{4}$ and had to pick another fraction card, we looked at the numerators and denominators, the closer the numerator and denominator are

Feature Talk: **compare, equal, fractions**, $\frac{1}{2}$ (or other fraction amounts), bigger, smaller, **greater than, less than**, same, different, numerator, denominator, larger pieces, smaller pieces, cards, game,

Possible Symbolic Representation:



The image shows handwritten mathematical work on a piece of paper. At the top, there are two fractions: $\frac{4}{6}$ and $\frac{3}{4}$. Above $\frac{4}{6}$ is the text "4 x 2" and below it is "6 x 2". Above $\frac{3}{4}$ is the text "3 x 3" and below it is "4 x 3". Between the two fractions is a circle with an equals sign inside. Below this, there are two more fractions: $\frac{8}{12}$ and $\frac{9}{12}$. Between these two fractions is a circle with a less-than sign inside.

Written By:

Date:

[Fraction Strip Handout](#)

[Fraction Task Cards](#)